

111.6 - Refractories (powder form)

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

SRM	76a	77a	78a	154c...	198	199
Description	Burnt Refractory (Al2O3-40%)	Burnt Refractory (Al2O3-60%)	Burnt Refractory (Al2O3-70%)	Titanium Dioxide	Silica Brick	Silica Brick
Unit of Issue	(75 g)	(75 g)	(75 g)	(90 g)	(45 g)	(45 g)
(mass fraction, in %)						
Al ₂ O ₃	38.7	60.2	71.7	0.16	0.48	
CaO	0.22	0.05	0.11	2.71	2.41	
Fe ₂ O ₃ **	1.60	1.00	1.2	0.66	0.74	
Li ₂ O	0.042	0.025	0.12	0.001	0.002	
MgO	0.52	0.38	0.70	0.07	0.13	
MnO				0.008	0.007	
P ₂ O ₅	0.120	0.092	1.3	0.022	0.015	
K ₂ O	1.33	0.090	1.22	0.017	0.094	
SiO ₂	54.9	35.0	19.4			
Na ₂ O	0.07	0.037	0.078	0.012	0.015	
SrO	0.037	0.009	0.25			
TiO ₂	2.03	2.66	3.22	99.591	0.02	0.06
Loss on Ignition	(0.34)	(0.22)	(0.42)		0.21	0.17

*** *** Information values are provised for additional 71 elements

Values in parentheses are not certified and are given for information only.

** Refer to certificate to ascertain if the value reported represents total iron or species-specific iron.

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